

# Energy Compliance Worksheet – Zone 8

## City of Greensboro Inspections Division

### NCRC

This worksheet shall be provided on all one and two family dwellings and/or room additions. It determines prescriptive building envelope element compliance. Alternates to this worksheet are the use of Chapter 5 of the NCEC or MECcheck Version 3.0 for the 2000 IECC.

**Project Address:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Designer Name:** \_\_\_\_\_ **Signature:** \_\_\_\_\_

**Opening Sq. Ft.:** \_\_\_\_\_ **÷ Wall Area:** \_\_\_\_\_ **= % Of Openings:** \_\_\_\_\_<sup>9</sup>

#### Type A-1 Residential <sup>8</sup>

Actual House Opening %	Max.% Opening Allowed <sup>1</sup>	Max. Glass U-Value <sup>2,3</sup>	Ceiling R-Value	Wall R-Value <sup>4,5,6</sup>	Floor R-Value Crawl/Slab <sup>7</sup>
	8%	.65	30	11	13/2
	12%	.60	30	13	19/4
	15%	.50	30	13	19/5
	18%	.46	38	13	19/6
	20%	.42	38	13	19/6
	25%	.41	38	19	19/6

#### Type A-2 Residential (Townhomes) <sup>8</sup>

	25%	.50	30	13	19/4
	30%	.46	38	13	19/4

- <sup>1</sup> Includes skylights.
- <sup>2</sup> Max. 1% of glass is exempt from U-Value requirements.
- <sup>3</sup> One opaque door is exempt from U-Value req'tmt. Others to be .35 max.
- <sup>4</sup> Combination of cavity and insulating sheathing only.
- <sup>5</sup> Tables do not apply to steel framing. See Table N1102.1.1.2.
- <sup>6</sup> Tables do not apply to masonry walls. See Tables N1102.1.1.1(1)&(2).
- <sup>7</sup> 24" of vertical or horizontal perimeter slab insulation.
- <sup>8</sup> Additions < 500 sq. ft. may comply with NCEC 502.2.5.
- <sup>9</sup> Insert % at applicable row in "Actual House Opening %" column.